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Dated: February 26, 2002

Signature

(Staci Harris)

Docket No.: HO-P02378US0  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Helene Derand, et al.

Application No.: Not Yet Assigned

Group Art Unit: N/A

Filed: February 26, 2002

Examiner: Not Yet Assigned

For: MICROFLUIDIC SURFACES

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
Washington, DC 20231

Dear Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith. A copy of each reference on PTO/SB/08 is attached.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

Application No.: Not Yet Signed

JC10 FEB 26 2002  
Deposit No.: HO-P02378US0

The Commissioner is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 06-2375, under Order No. 10201472.

Dated: February 26, 2002

Respectfully submitted,

By 

Melissa W. Acosta

Registration No.: 45,872

FULBRIGHT & JAWORSKI L.L.P.

1301 McKinney, Suite 5100

Houston, Texas 77010-3095

(713) 651-5407

(713) 651-5246 (Fax)

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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	Not Yet Assigned
				Filing Date	February 26, 2002
				First Named Inventor	Helene Derand
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	HO-P02378US0

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	A	US-4,680,201	07/14/1987	Hjerten, Stellan	
	B	US-4,690,749	09/01/1987	Van Alstine, James et al.	
	C	US-5,240,994	08/31/1993	Brink, Carina et al.	
	D	US-5,250,613	10/05/1993	Bergstrom, Karin et al.	
	E	US-5,840,388	11/24/1998	Karger, Barry et al.	
	F	US-5,858,188	01/12/1999	Soane, David S. et al.	
	G	US-6,054,034	04/25/2000	Soane, David S. et al.	
	H	US-6,322,682	11/27/2001	Arvidsson, Lars-Erik et al.	
	I	US-6,326,083	12/04/2001	Yang, Hua et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	J	DE -19753897.9	06/10/1999	Roche Diagnostics GmbH		
	K	EP 0430248 A2	06/05/1991	Mochida Pharmaceutical Co., Ltd.		
	L	WO 98/00709	01/08/1998	Pharmacia Biotech AB		
	M	WO 99/58245	11/18/1999	Amersham Pharmacia AB		

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See attached Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO		<b>Complete if Known</b>			
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	Not Yet Assigned		
		Filing Date	February 26, 2002		
		First Named Inventor	Helene Derand		
		Group Art Unit	N/A		
		Examiner Name	Not Yet Assigned		
Sheet	2	of	2	Attorney Docket Number	HO-P02378US0

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	N	Abstract – Document No. RU2015747	
	O	BURNS, NORMAN L. et al. "Poly(ethylene glycol) Grafted to Quartz: Analysis in Terms of a Site-Dissociation Model of Electroosmotic Fluid Flow", <i>Langmuir</i> , Vol. 11, No. 7, 1995, pp 2768-2776	
	P	EMOTO, KAZUNORI, et al. "Electrokinetic Analysis of Poly(ethylene glycol) Coating Chemistry"; <i>Analysis of Peg Coating Chemistry</i> ; Chapter 24, pp. 374-398.	
	Q	VAN ALSTINE, JAMES M. et al. "Polymer coatings for Improved Crystal Growth"; <i>Colloids and Surfaces; Colloids and Surfaces B: Biointerfaces</i> , Vol. 14, 1999; pp. 197-211.	
	R	MALMSTEN, MARTIN et al., "Effect of Chain Density on Inhibition of Protein Adsorption by Poly(ethylene glycol) Based Coatings; <i>Journal of Colloid and Interface Science</i> , Vol. 202, 1998, pp. 507-517.	
	S	KNOX, ROBERT J. et al., "Automated Particle Electrophoresis: Modeling and Control of Adverse Chamber Surface Properties"; <i>Analytical Chemistry</i> , Vol. 70, No. 11, June 1, 1998; pp. 2268-2278.	
	T	GYROS AB, The Technology Platform; Integrating Microfluidics; pp 7-8.	
	U	HOLMBERG, KRISTER et al., "Effects on protein adsorption, bacterial adhesion and contact angle of grafting PEG chains to polystyrene; <i>J. Adhesion Science Technology</i> ; Vol. 7, No. 6, 1993, pp. 503-517.	
	V	BELL, DARREL J. et al., "Using poly(ethylene glycol) silane to prevent protein adsorption in microfabricated silicon channels"; <i>SPIE</i> , Vol. 3258; pp. 134-140.	

Examiner Signature		Date Considered	
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